The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 712 359 H
Source: 3500
Date Processed by STIC: 10-25 04

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IFWO

RAW SEQUENCE LISTING

DATE: 10/25/2004

PATENT APPLICATION: US/10/712,359A

TIME: 11:45:50

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

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3 <110> APPLICANT: CHANG, Y-H
         VETRO, J.A.
         MICKA, W.S.
  7 <120> TITLE OF INVENTION: DOMINANT NEGATIVE VARIANTS OF METHIONINE AMINOPEPTIDASE
          2 ("METAP2") AND CLINICAL USES THEREFOR
 10 <130> FILE REFERENCE: 2790/66153/8007
 12 <140> CURRENT APPLICATION NUMBER: 10/712,359A
 13 <141> CURRENT FILING DATE: 2003-11-13
 15 <150> PRIOR APPLICATION NUMBER: 09/943,123
 16 <151> PRIOR FILING DATE: 2001-08-30
 18 <160> NUMBER OF SEQ ID NOS: 26
 20 <170> SOFTWARE: PatentIn Ver. 3.2
 22 <210> SEQ ID NO: 1
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24 <212> TYPE: PRT
25 <213> ORGANISM: Homo Sapiens
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Human polylysine
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37 Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu Arg Asp Glu
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40 Asp Asp Glu Asp Gly Asp Gly Asp Gly Ala Thr Gly Lys Lys
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65 Asp Asp Glu Asp Gly Asp Gly Asp Ala Asp Gly Ala Thr Gly Lys Lys
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Same of the same

PATENT APPLICATION: US/10/712,359A

DATE: 10/25/2004 TIME: 11:45:50

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

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 69 65
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 75 <213> ORGANISM: Saccharomyces sp.
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: Saccharomyces polylysine
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 84 Asn Leu Glu Asn Glu Gly Val Glu Gln Gln Asp Gln Ala Lys Ala Asp
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 87 Glu Ser Asp Pro Val Glu Ser Lys Lys Lys Lys Asn Lys Lys Lys
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130 <222> LOCATION: (219)
131 <223> OTHER INFORMATION: May be any naturally occurring amino acid
133 <220> FEATURE:
134 <221> NAME/KEY: SITE
135 <222> LOCATION: (231)
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RAW SEQUENCE LISTING PATENT APPLICATION: US/10/712,359A DATE: 10/25/2004 TIME: 11:45:50

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

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PATENT APPLICATION: US/10/712,359A

DATE: 10/25/2004 TIME: 11:45:50

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

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     205 Thr Asp Pro Pro Ser Val Pro Ile Cys Asp Leu Tyr Pro Asn Gly Val
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                                     120
     208 Phe Pro Lys Gly Gln Glu Cys Glu Tyr Pro Pro Thr Gln Asp Gly Arg
                                 135
     211 Thr Ala Ala Trp Arg Thr Thr Ser Glu Glu Lys Lys Ala Leu Asp Gln
                             150
                                                 155
     214 Ala Ser Glu Glu Ile Trp Asn Asp Phe Arg Glu Ala Ala Glu Ala His
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                                             170
     217 Arg Gln Val Arg Lys Tyr Val Met Ser Trp Ile Lys Pro Gly Met Thr
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                                         185
     220 Met Ile Glu Ile Cys Glu Lys Leu Glu Asp Cys Ser Arg Lys Leu Ile
                 195
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W--> 223 Lys Glu Asn Gly Leu Asn Ala Gly Leu Ala Xaa Pro Thr Gly Cys Ser
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                                 215
     226 Leu Asn Asn Cys Ala Ala Xaa Tyr Thr Pro Asn Ala Gly Asp Thr Thr
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     229 Val Leu Gln Tyr Asp Asp Ile Cys Lys Ile Xaa Phe Gly Thr His Ile
                         245
                                             250
    232 Ser Gly Arg Ile Ile Xaa Cys Ala Phe Thr Val Thr Phe Asn Pro Lys
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                                         265
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    238 Lys Cys Ala Gly Ile Asp Val Arg Leu Cys Asp Val Gly Glu Ala Ile
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                                 295
    241 Gln Glu Val Met Glu Ser Tyr Glu Val Glu Ile Asp Gly Lys Thr Tyr
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    244 Gln Val Lys Pro Ile Arg Asn Xaa Asn Gly Xaa Ser Ile Gly Gln Tyr
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                                             330
    247 Arg Xaa Xaa Ala Gly Lys Thr Val Pro Ile Val Lys Gly Glu Ala
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    250 Thr Arg Met Glu Glu Gly Glu Val Tyr Ala Ile Xaa Thr Phe Gly Ser
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    253 Thr Gly Lys Gly Val Val His Asp Asp Met Glu Cys Ser His Tyr Met
                                375
    256 Lys Asn Phe Asp Val Gly His Val Pro Ile Arg Leu Pro Arg Thr Lys
    257 385
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    259 His Leu Leu Asn Val Ile Asn Glu Asn Phe Gly Thr Leu Ala Phe Cys
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                                            410
    262 Arg Arg Trp Leu Asp Arg Leu Gly Glu Ser Lys Tyr Leu Met Ala Leu
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    265 Lys Asn Leu Cys Asp Leu Gly Ile Val Asp Pro Xaa Pro Pro Xaa Cys
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    268 Asp Ile Lys Gly Ser Tyr Thr Ala Gln Phe Xaa His Thr Ile Leu Leu
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    271 Arg Pro Thr Cys Lys Glu Val Val Ser Arg Gly Asp Asp Tyr
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DATE: 10/25/2004 PATENT APPLICATION: US/10/712,359A TIME: 11:45:50

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

275 <210> SEQ ID NO: 7 276 <211> LENGTH: 478 277 <212> TYPE: PRT 278 <213> ORGANISM: Mus musculus 280 <220> FEATURE: 281 <223> OTHER INFORMATION: Mouse MetAP2 283 <220> FEATURE: 284 <221> NAME/KEY: SITE 285 <222> LOCATION: (219) 286 <223> OTHER INFORMATION: May be any naturally occurring amino acid 288 <220> FEATURE: 289 <221> NAME/KEY: SITE 290 <222> LOCATION: (231) 291 <223> OTHER INFORMATION: May be any amino acid, except His 293 <220> FEATURE: 294 <221> NAME/KEY: SITE 295 <222> LOCATION: (251) 296 <223> OTHER INFORMATION: May be any naturally occurring amino acid 298 <220> FEATURE: 299 <221> NAME/KEY: SITE 300 <222> LOCATION: (262) 301 <223> OTHER INFORMATION: May be any naturally occurring amino acid 303 <220> FEATURE: 304 <221> NAME/KEY: SITE 305 <222> LOCATION: (328) 306 <223> OTHER INFORMATION: May be any naturally occurring amino acid 308 <220> FEATURE: 309 <221> NAME/KEY: SITE 310 <222> LOCATION: (331) 311 <223> OTHER INFORMATION: May be any naturally occurring amino acid 313 <220> FEATURE: 314 <221> NAME/KEY: SITE 315 <222> LOCATION: (338)..(339) 316 <223> OTHER INFORMATION: May be any naturally occurring amino acid 318 <220> FEATURE: 319 <221> NAME/KEY: SITE 320 <222> LOCATION: (364) 321 <223> OTHER INFORMATION: May be any naturally occurring amino acid 323 <220> FEATURE: 324 <221> NAME/KEY: SITE 325 <222> LOCATION: (444) 326 <223> OTHER INFORMATION: May be any naturally occurring amino acid 328 <220> FEATURE: 329 <221> NAME/KEY: SITE 330 <222> LOCATION: (447) 331 <223> OTHER INFORMATION: May be any naturally occurring amino acid 333 <220> FEATURE:

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PATENT APPLICATION: US/10/712,359A

TIME: 11:45:51

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

Please Note:

, a .

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459
Seq#:7; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459
Seq#:8; Xaa Pos. 162,174,194,205,271,274,281,282,307,387,390,402
Seq#:9; N Pos. 693
Seq#:10; N Pos. 693
Seq#:11; N Pos. 522
Seq#:16; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459
Seq#:18; N Pos. 779

VERIFICATION SUMMARY

DATE: 10/25/2004 TIME: 11:45:51 PATENT APPLICATION: US/10/712,359A

Input Set : A:\27908007.app

Output Set: N:\CRF4\10252004\J712359A.raw

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